

## **Historic, Archive Document**

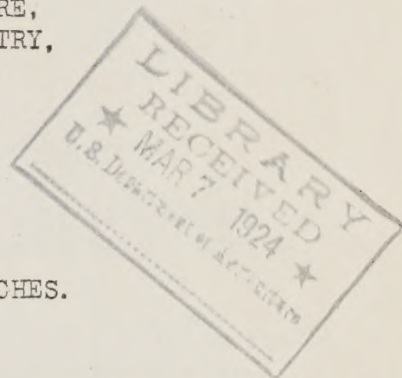
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UNITED STATES DEPARTMENT OF AGRICULTURE,  
BUREAUS OF ENTOMOLOGY AND PLANT INDUSTRY,  
Cooperating with  
GEORGIA STATE BOARD OF ENTOMOLOGY.

Government and State Laboratory,  
Fort Valley, Georgia.



1924 SPRAY SCHEDULE FOR GEORGIA PEACHES.

FIRST APPLICATION.

When 75% of the petals (pink part of flower) have fallen: : One pound powdered arsenate of lead, plus lime water from three pounds of stone lime, to each 50 gallons of water.

SECOND APPLICATION.

When calyces or "shucks" are shedding, or when small peaches are exposed: : One pound powdered arsenate of lead, plus lime water from three pounds of stone lime, to each 50 gallons of water.

THIRD APPLICATION.

Two weeks after the second application, or about four weeks after the petals have been shed: : Self-boiled lime-sulphur, 8-8-50, alone. (No arsenate of lead in this application).

FOURTH APPLICATION.

Four weeks before each variety is due to ripen: : One pound powdered arsenate of lead to each 50 gallons of 8-8-50 self-boiled lime-sulphur.

EARLY VARIETIES: These should be sprayed three times. Use the materials recommended for the 1st, 2nd, and 4th applications above, applying them at the time as noted above. For added protection against brown rot, self-boiled lime-sulphur should also be used in the second application on the early varieties.

DIRECTIONS FOR PREPARING THE SPRAY MATERIALS.

The 8-8-50 self-boiled lime-sulphur called for in the spraying schedule is made as follows:

Place 8 pounds of unslaked or stone lime in a 50 gallon barrel, and pour over it enough water, preferably warm, to start the slaking. As the slaking starts, add 8 pounds of sulphur. Add water from time to time to keep the mixture from becoming dry, but care should be exercised not to drown the lime, which would cause the slaking process to stop too soon. After the mixture has boiled some five minutes, cool off with water, strain into the spray tank, and dilute with water to make 50 gallons. The mixture should be cooled off before the red streaks occur in the mixture to any extent, which is an indication of





DIRECTIONS FOR PREPARING THE SPRAY MATERIALS (CONT'D.)

overheating. Avoid underheating, however. Better results will be obtained by crushing all lumps of sulphur and mixing it with a little water before adding to the slaking lime.

The above formula may be raised to 16-16-100 or 32-32-200. A large container should be used, however, in preparing self-boiled lime-sulphur with these formulae. Stock solutions can of course be made up, observing the proportions given.

The powdered arsenate of lead, which is used in the proportion of 1 pound to 50 gallons of the spray solution, should first be made into a thin paste with water before adding to the spray tank.

1924 DUSTING SCHEDULE FOR GEORGIA PEACHES.

FIRST APPLICATION.

When 75% of the petals (pink part of flower) have fallen:	;	Arsenate of lead 5%;
		lime 95%. *

SECOND APPLICATION.

When calyces or "shucks" are shedding, or when small peaches are exposed:	:	Arsenate of lead 5%;
		lime 95%. *

THIRD APPLICATION.

Two weeks after the second application, or about four weeks after the petals have been shed:	:	Sulphur 80%; arsenate of lead 5%; lime 15%.
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FOURTH APPLICATION.

Four weeks before each variety is due to ripen:		Sulphur 80%; arsenate of lead 5%; lime 15%.
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EARLY VARIETIES: Early varieties need only three dust applications, using the formula containing arsenate of lead and lime at the time indicated for the 1st dusting above, and the formula; containing sulphur at the time indicated for the 2nd and 4th dustings above.

\* It is not necessary to use sulphur in the first two applications, although the regular formula (80-5-15) may be used if desired.



THE SECRETARY OF THE ARMY  
WASHINGTON, D. C.  
JAN 10 1900  
SIR  
I have the honor to acknowledge the receipt of your letter of the 8th inst. in relation to the matter of the purchase of land for the proposed site of the new building for the War Department. The matter is being considered by the proper authorities and a decision will be made as soon as possible.

Very respectfully,  
J. H. COOPER, Secretary of the Army.

Enclosed for the Secretary of the Army are two copies of a report of the Board of Engineers, dated and captioned as above, in relation to the proposed site of the new building for the War Department. The report contains a detailed description of the site and a recommendation that the same be purchased for the proposed site of the new building for the War Department.

I am, Sir, very respectfully,  
Your obedient servant,  
J. H. COOPER, Secretary of the Army.

Very respectfully,  
J. H. COOPER, Secretary of the Army.